

10-9542: Recombinant Rabbit Monoclonal Antibody to Trimethylated Histone H3 Lysine 4, H3K4me3 (Clone: RM137)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM137
Application :	WB,ELISA,Multiplex
Reactivity :	All Species
Gene :	H3F3A
Gene ID :	3020
Uniprot ID :	P84243
Format :	Purified
Alternative Name :	Histone H3.3
Isotype :	Rabbit IgG
Immunogen Information :	A trimethyl-peptide corresponding to Trimethyl-Histone H3 (Lys4)

Product Info

Amount :	100 µg
Purification :	Protein A affinity purified from an animal origin-free culture supernatant
Content :	1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Clone RM137 reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with monomethylated Lysine 4 (K4me1), dimethylated Lysine 4 (K4me2), or other methylations in histone H3. Western Blot: 0.2 µg/ml ~ 1 µg/ml; ELISA: 0.1 µg/ml ~ 0.5 µg/ml; Multiplex: 0.1 µg/ml ~ 0.5 µg/ml.

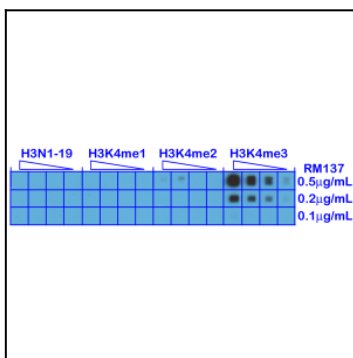


Figure 1: A Peptide dotblot shows Clone: RM137 reacts only to Histone H3 trimethyl-Lysine 4 (K4me3). No cross reactivity with nonmodified Lysine 4 (H3N1-19), monomethylated Lysine 4 (K4me1) or dimethylated Lysine 4 (K4me2).

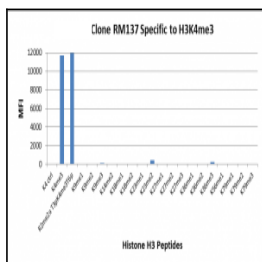


Figure 2: Clone: RM137 specifically reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with other methylated lysines in Histone H3.

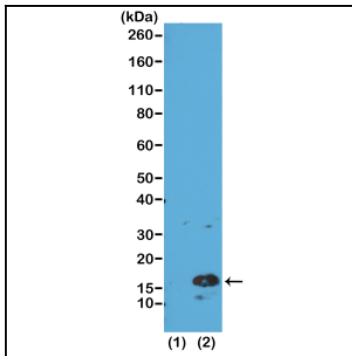


Figure 3: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM137 at 0.5 $\mu\text{g/ml}$, showed a band of histone H3 trimethylated at Lysine 4 (K4me3) in HeLa cells.